

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for analyzing nitropolycyclic aromatic ~~hydrocarbon~~ hydrocarbons, comprising:

- a separation column for separating ~~an isomer of a sample comprising~~ nitropolycyclic aromatic ~~hydrocarbon~~ hydrocarbons into at least four separate nitropolycyclic aromatic hydrocarbons including 1-nitropyrene, 1,3-dinitropyrene, 1,6-dinitropyrene and 1,8-dinitropyrene;
- a reduction column for aminating the separated nitropolycyclic aromatic ~~hydrocarbon~~ hydrocarbons; and
- a fluorescence detector.

2. (Currently Amended) An apparatus for analyzing nitropolycyclic aromatic ~~hydrocarbon~~ hydrocarbons, comprising:

- a separation column for separating ~~an isomer of a sample containing~~ nitropolycyclic aromatic ~~hydrocarbon~~ hydrocarbons into at least four separate nitropolycyclic aromatic hydrocarbons including 1-nitropyrene, 1,3-dinitropyrene, 1,6-dinitropyrene and 1,8-dinitropyrene;
- a reduction column for aminating the separated nitropolycyclic aromatic ~~hydrocarbon~~ hydrocarbons;
- an analysis column for separating an interfering component contained ~~in the detection material~~ sample from the aminated separated nitropolycyclic

aromatic hydrocarbons; and

a fluorescence detector.

3. (Currently Amended) The apparatus for analyzing nitropolycyclic ~~aromatic hydrocarbon~~ hydrocarbons according to claim 1, wherein the separation column is a silica gel/C8 column.

4. (Currently Amended) The apparatus for analyzing nitropolycyclic ~~aromatic hydrocarbon~~ hydrocarbons according to claim 3, wherein the reduction column is an alumina/Pt-Rh reduction column.

5-8. (Canceled).

9. (Currently Amended) The apparatus for analyzing nitropolycyclic ~~aromatic hydrocarbon~~ hydrocarbons according to claim 1, wherein the reduction column is an alumina/Pt-Rh reduction column.

10. (Currently Amended) The apparatus for analyzing nitropolycyclic ~~aromatic hydrocarbon~~ hydrocarbons according to claim 2, wherein the separation column is a silica gel/C8 column.

11. (Currently Amended) The apparatus for analyzing nitropolycyclic ~~aromatic hydrocarbon~~ hydrocarbons according to claim 10, wherein the reduction column is an alumina/Pt-Rh reduction column.

12. (Currently Amended) The apparatus for analyzing nitropolycyclic aromatic ~~hydrocarbon~~ hydrocarbons according to claim 2, wherein the reduction column is an alumina/Pt-Rh reduction column.

13-14 (Canceled).